



PILLSBURY WINTHROP SHAW PITTMAN LLP  
Serial No.: 10/074,193 - Confirmation No. 4362  
Notice of Allowance Date: June 16, 2005  
Title: FAST SERIAL TRANSMIT....  
Attorney Name: Roger R. Wise  
Tel.: (213) 488-7100 Docket No.: 81674-249741  
Sheet 1 of 9

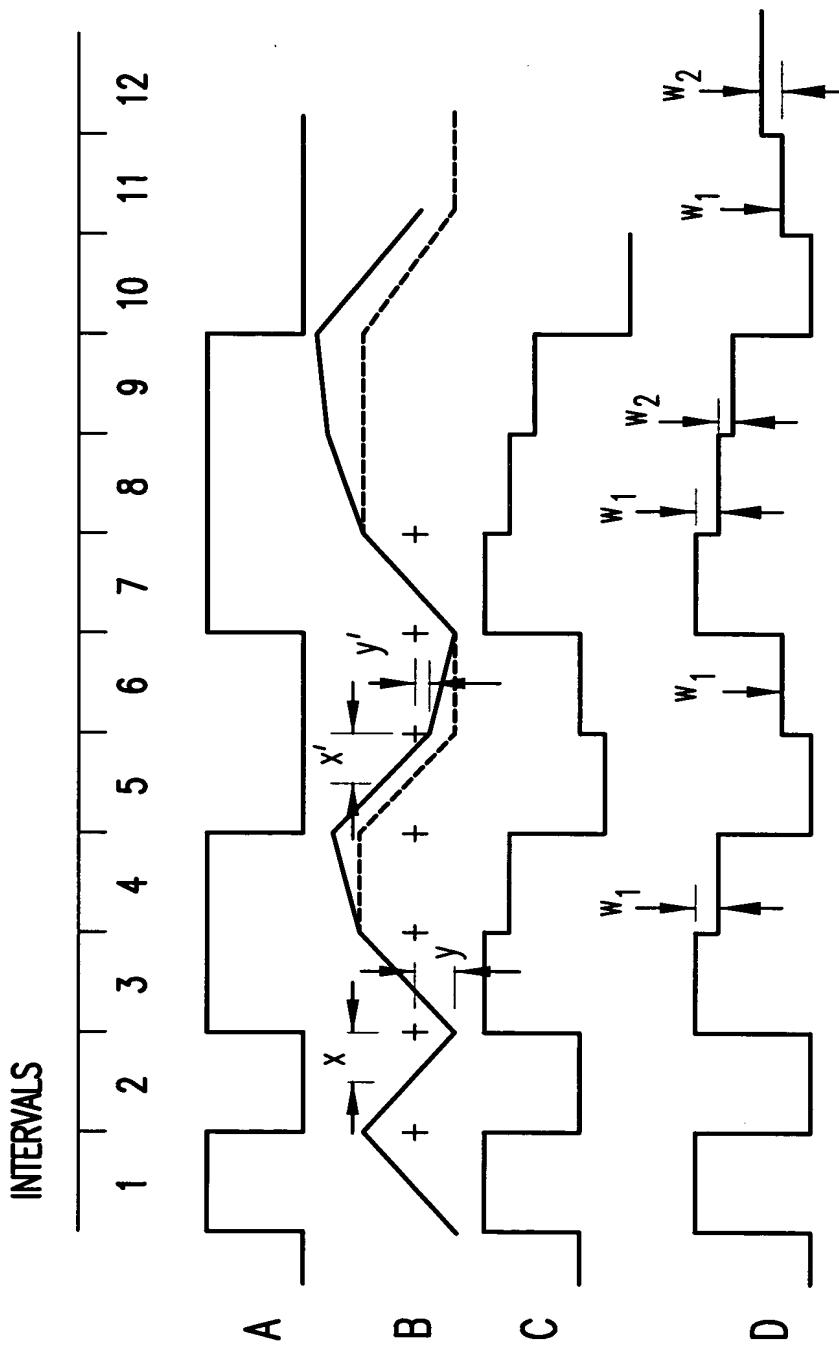
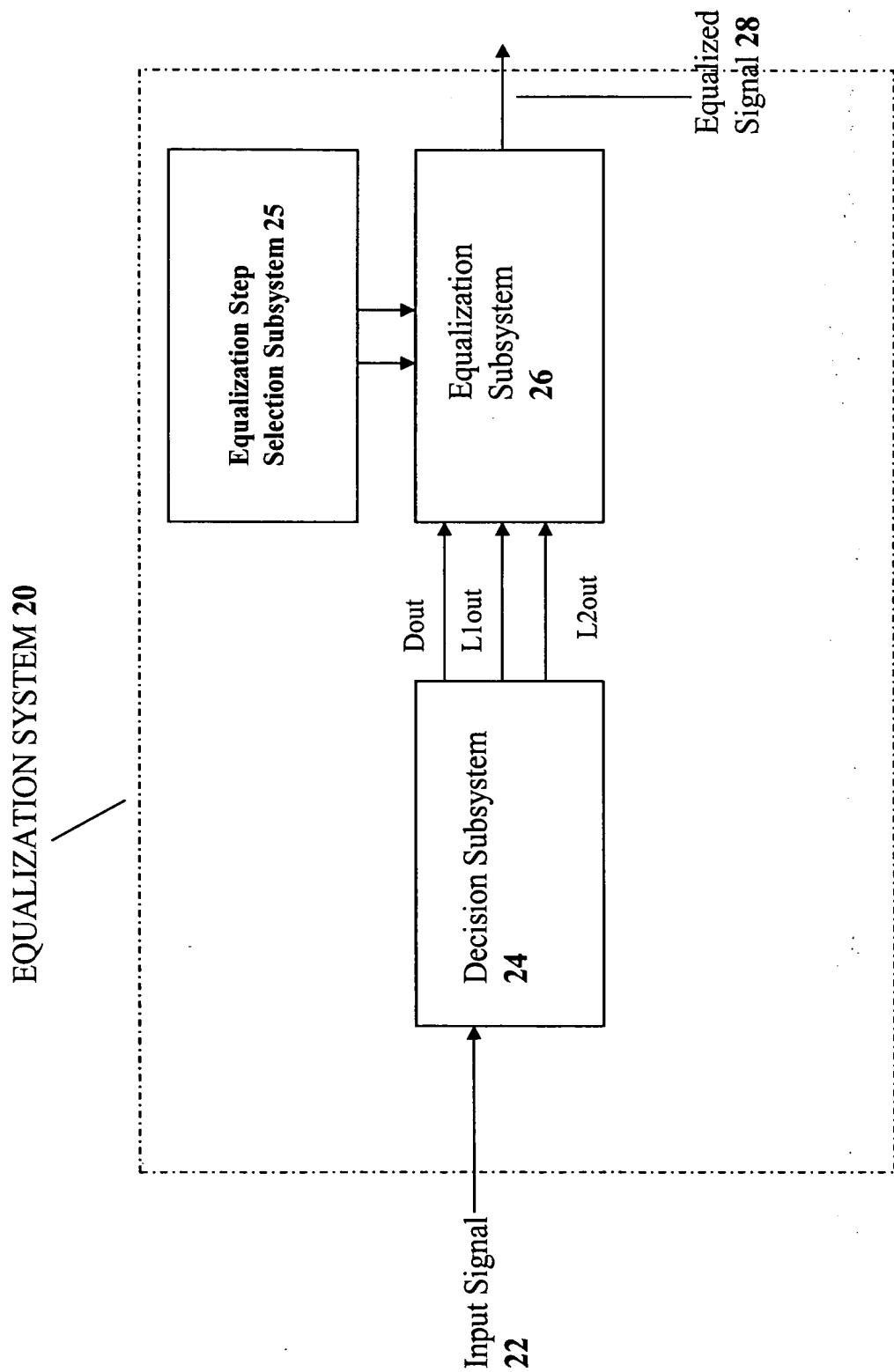


FIG. 1



**Fig. 2**

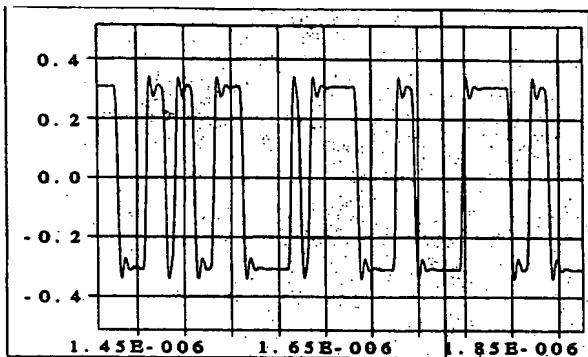


Fig. 3(a)

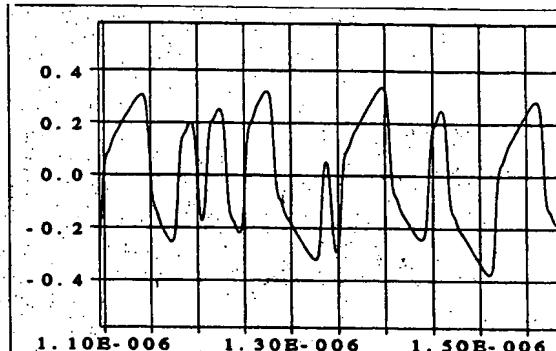


Fig. 3(b)

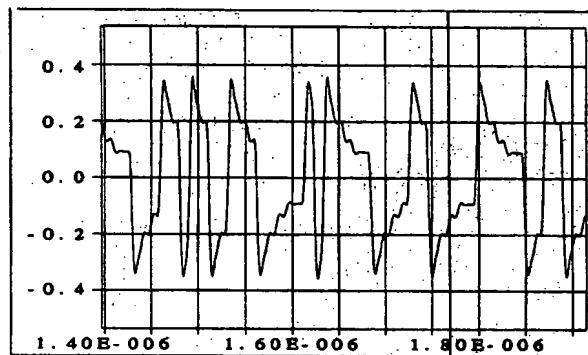


Fig. 4(a)

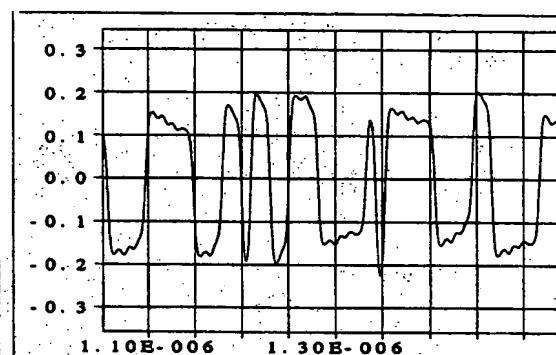


Fig. 4(b)

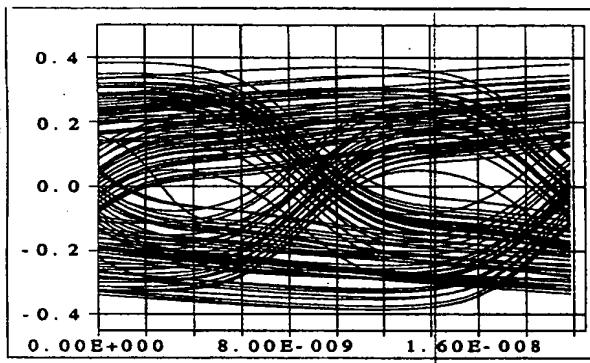


Fig. 5(a)

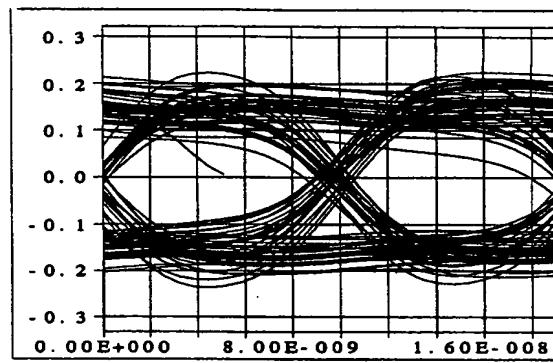


Fig. 5(b)

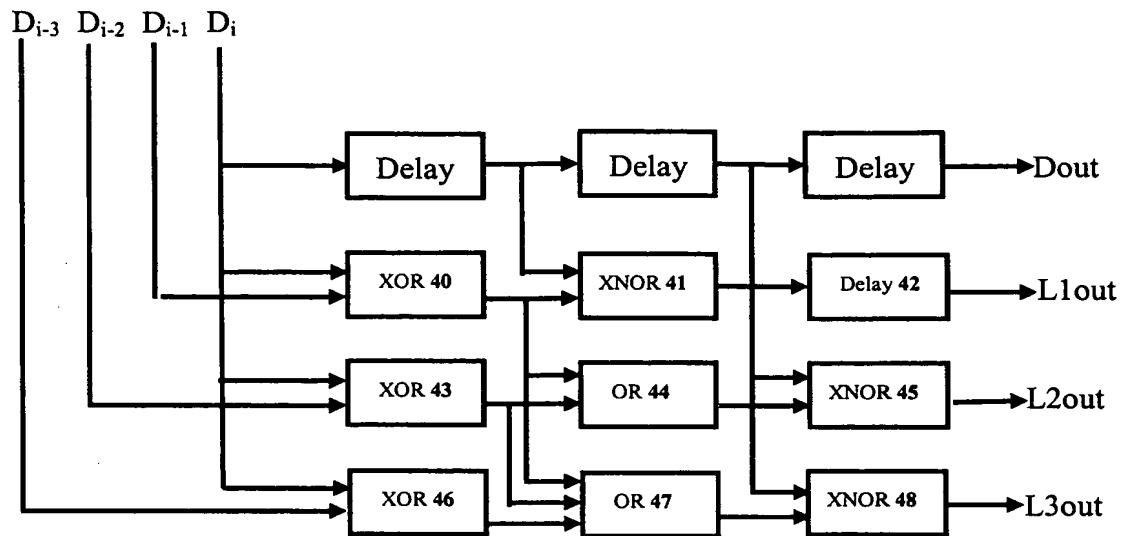


Fig. 6 A block diagram for the equalization logic that generates the three signals levels

Sample Input Stream = 01000111100 (a = MSB; b = first to right of MSB; k = LSB)  
 a = 0; b = 1; c = 0; d = 0; e = 0; f = 1; g = 1; h = 1; i = 1; j = 0; k = 0

Bit Identity	Dout	L1out	L2out	L3out
a	0	-----	-----	-----
b	1	1	1	1
c	0	0	0	0
d	0	1	0	0
e	0	1	1	0
f	1	1	1	1
g	1	0	1	1
h	1	0	0	1
i	1	0	0	0
j	0	0	0	0
k	0	1	0	0

**Fig. 7**

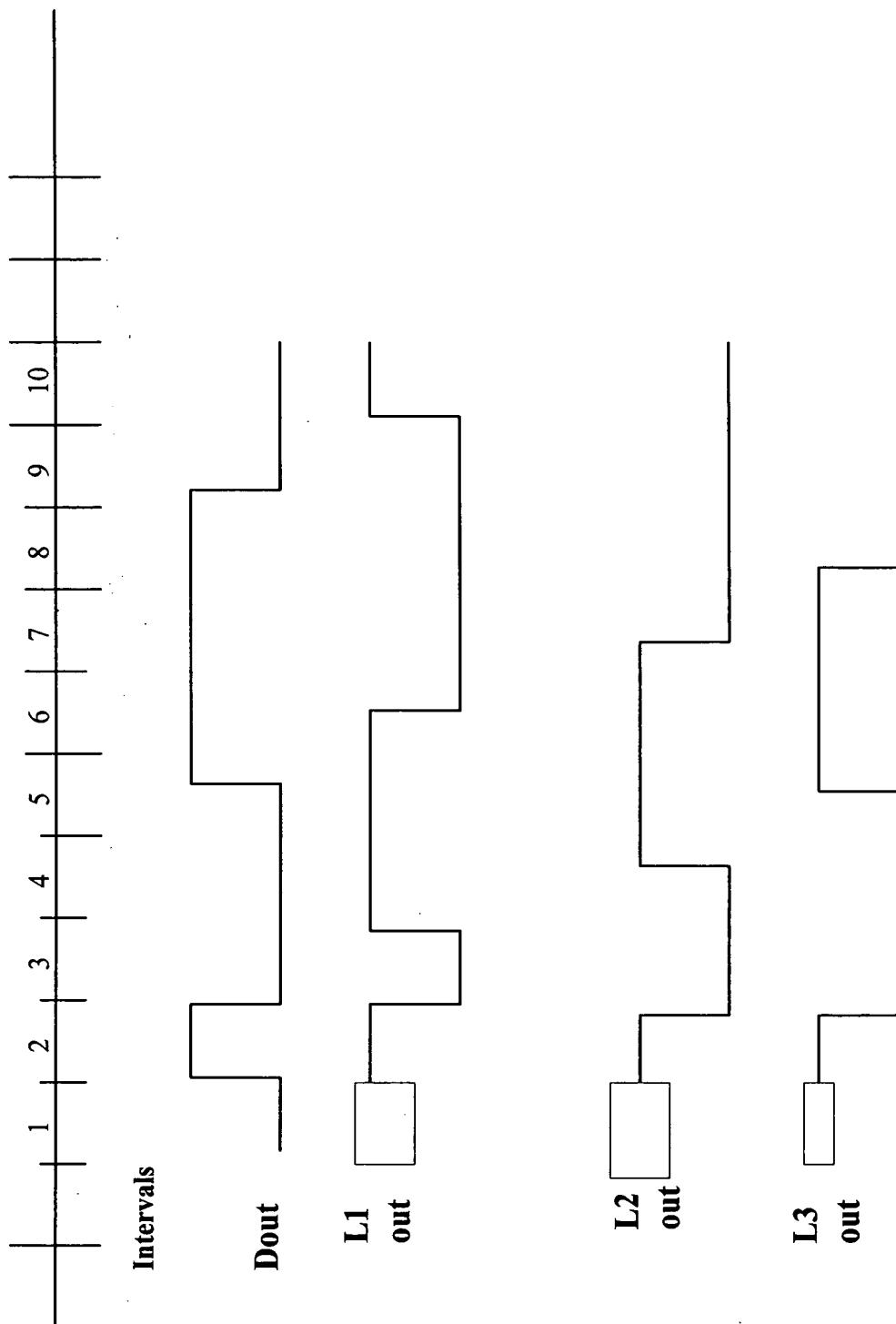


Fig. 8

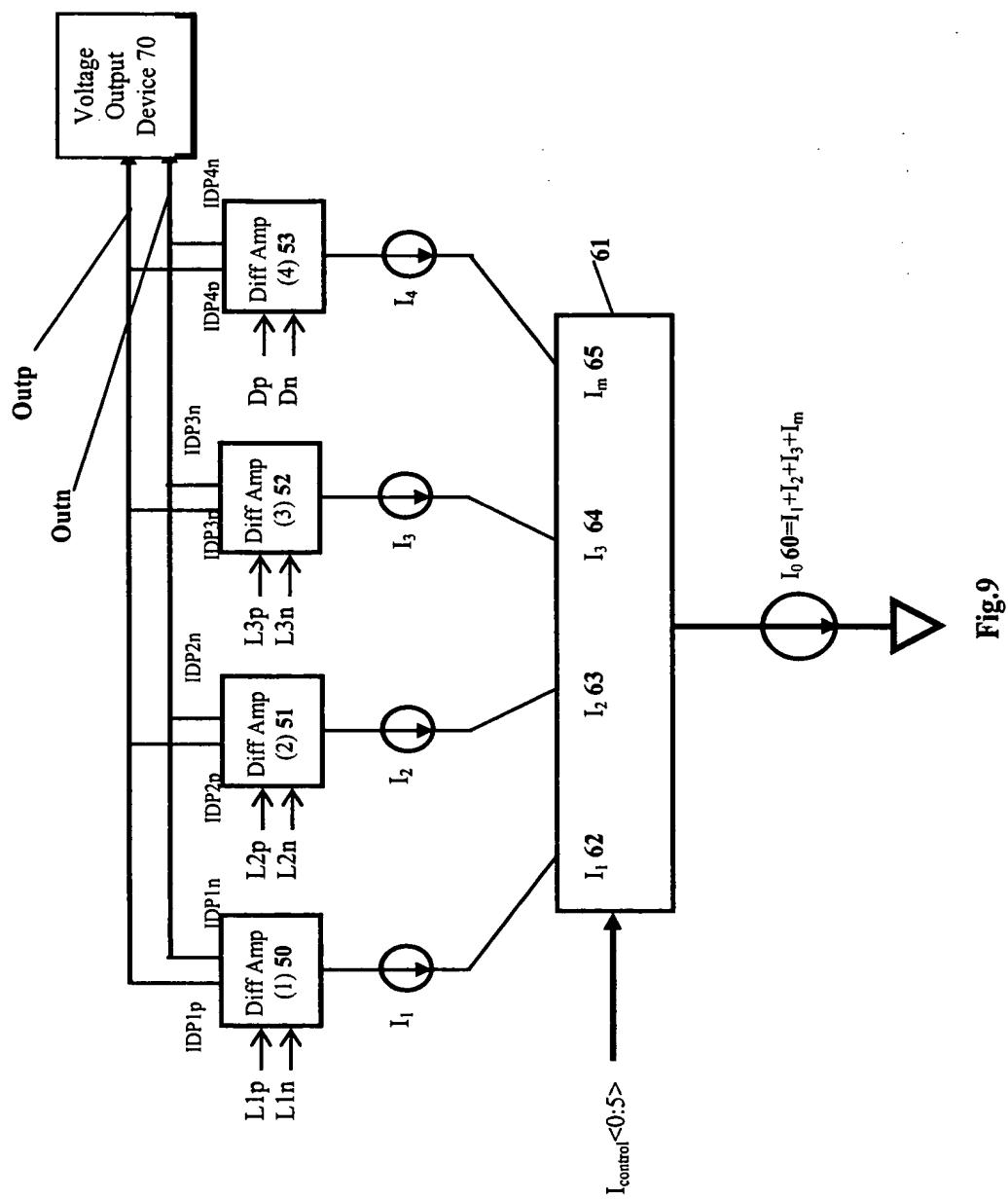
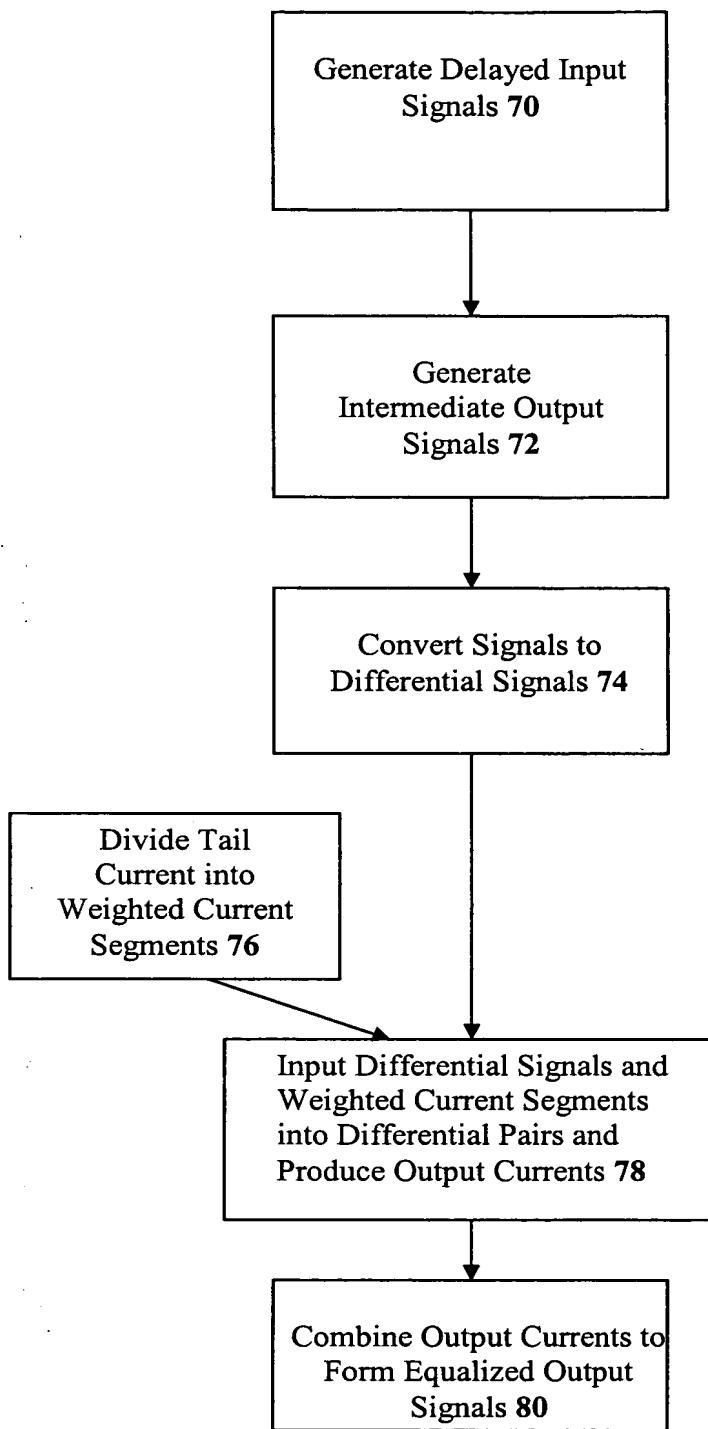


Fig.9



**Fig. 10**